Ectopic varices in a pancreatojejunal anastomosis: a rare cause of hemorrhage

Ectopic variceal bleeding is a rare cause of gastrointestinal hemorrhage, representing up to 5% of all variceal bleeding episodes [1]. The most common cause of ectopic variceal bleeding is portal hypertension (from both intrahepatic and extrahepatic causes) [2]. In the absence of portal hypertension, other causes may include abdominal surgery, abnormalities in the venous outflow vessels, abdominal vascular thrombosis, hepatocellular carcinoma, pancreatitis, and familial syndromes [2,3]. Ectopic variceal bleeding can pose a diagnostic dilemma and endoscopy plays a major role in the diagnosis and treatment of this condition.

A 56-year-old man presented to the emergency room with a 1-week history of melena. The patient's medical history included a pancreatic adenocarcinoma treated 2 years previously with a pylorus-preserving pancreatoduodenectomy and chemotherapy. On admission, his vital signs were stable but the results of a laboratory workup showed severe anemia (hemoglobin 6.4 g/dL).

After he had undergone esophagogastroduodenoscopy (EGD) and colonoscopy, both of which were normal, it was decided to perform a push enteroscopy through the afferent and efferent jejunal limbs. Signs of fresh blood were noted in the afferent limb and the pancreatojejunal anastomosis was reached. At the anastomosis, nodular and bluish vascular dilations were seen, suggestive of ectopic varices (Fig. 1a). A rupture point was identified (Fig. 1b) and treated with injection of 2 mL of a mixture of cyanoacrylate and Lipiodol. Post-treatment abdominal radiography confirmed the location and occlusion of the varices (Fig. 2). A follow-up endoscopy 2 weeks later revealed obliterated varices (Fig. 3) and no additional intervention was required.

To the authors’ knowledge, this is the first report with imaging of ectopic varices in a pancreatojejunal anastomosis. As well as reporting the successful resolution of this unusual situation with conventional endoscopic therapy, we emphasize the appearance of this abnormality with these rare endoscopic images.

Endoscopy_UCTN_Code_CCL_1AC_2AB

Competing interests: None

Bruno Moreira Gonçalves1, Pedro Bastos1, Pedro Leão2,3,4, Carla Rolanda1,3,4
1 Department of Gastroenterology, Hospital Braga, Braga, Portugal
2 Department of General Surgery, Hospital Braga, Braga, Portugal
3 Life and Health Sciences Research Institute (ICVS), School of Health Sciences, University of Minho, Braga, Portugal
4 ICVS/3B’s – PT Government Associate Laboratory, Braga/Guimarães, Portugal
References
1 Akhter M, Haskal ZJ. Diagnosis and management of ectopic varices. Gastrointest Interv 2012; 1: 3–10

Bibliography
Endoscopy 2015; 47: E269–E270
© Georg Thieme Verlag KG
Stuttgart · New York
ISSN 0013-726X

Corresponding author
Bruno Moreira Gonçalves, MD
Serviço de Gastrenterologia
Hospital de Braga
Sete Fontes – São Victor
4710-243 Braga
Portugal
Fax: +351-25-3027999
brunommgoncalves@gmail.com